

## EXECUTIVE SUMMARY

Prepared April 10, 2001

Mine Name: Lime Ridge Mine  
Operator: Holliday Construction, Inc.  
700 East Brown Canyon Road  
P.O. Box 502  
Blanding, Utah 84511  
Telephone: 435-678-2028  
Contact Person: Jerry Holliday

I.D. No.: M/037/081  
County: San Juan  
New/Existing: Expansion of existing mine  
Mineral Ownership: State of Utah, SITLA  
Surface Ownership: State of Utah, SITLA  
Lease No.(s): ML 45960-BSLS  
Permit Term: Life of mine

Life of Mine: 10+ years (Depends on future markets)

Legal Description: S ½ NW ¼ NW ¼ and N ½ SW ¼ NW ¼ Section 16, Township 41 South, Range 20 East, SLBM

Mineral(s) to be Mined: Limestone

Acres to be Disturbed: 11.48 acres

Present Land Use: Wildlife, grazing, surface mining

Postmining Land Use: Grazing and wildlife

Variances from Reclamation Standards (Rule R647) Granted: R647-4-111.12 Topsoil Distribution - All available topsoil will be salvaged at the mine excavation sites and replaced to a twelve inch depth as islands within the disturbed area. R647-4-111.13.11 Revegetation Success Standard - Due to the sparse topsoil at the site the success standard (70% of premining vegetative cover) will only apply to the soil islands to be created. All affected areas within the mine excavations will be seeded. Areas without topsoil islands will not be required to meet the 70% success standard, but will be required to satisfy R647-4-111.13.12.

### Soils and Geology:

Soil Description: Soils low in phosphorus and organic matter. Minimal soil is available for salvage over the near surface limestone deposit.

pH: 7.7

Special Handling Problems: Because of sparse amounts, soil will be selectively placed in islands to enhance revegetation success.

Geology Description: Callville Limestone Formation.

### Hydrology:

Ground Water Description: No ground water sources will be intercepted or impacted by the proposed operations.

Surface Water Description: An ephemeral stream channel runs through the mine site.

Water Monitoring Plan: None

**Ecology:**

Desert environment at 4930 feet elevation located west of Comb Wash Canyon, within 2 miles of the San Juan River.

**Vegetation Type(s); Dominant Species:**

Black brush (*Coleogyne ramosissima*), Mexican Cliff rose (*Cowania mexicana*), blue gramma grass (*Bouteloua gracilis*), hairy galleta (*Hilaria jamesii*).

**Percent Surrounding Vegetative Cover:** 30%

**Wildlife Concerns:** None

**Surface Facilities:** No permanent structures or surface facilities are used in this operation. Temporary fuel facilities and mobile crushing, screening and conveyor systems are utilized.

**Mining and Reclamation Plan Summary:**

**During Operations:**

Surface mining of limestone by conventional drilling and blasting techniques. Equipment includes front-end loaders, hydraulic excavators with impact hammer attachments, a crushing and screening circuit, conveyor systems, and a diesel generator. Sparse topsoil is salvaged prior to drilling and blasting the overburden. Overburden is stockpiled on site for use in final reclamation. Limestone is crushed on site to meet various product requirements and hauled by truck to markets. Portable crushing equipment operates in accordance with the Utah Division of Air Quality requirements.

**After Operations:**

Overburden and reject limestone will be placed in the pit excavations as backfill to reduce highwall angles to 45 degrees or less. Salvaged soil will be spread over portions of the affected area at a 12-inch depth to create islands. Reject limestone fines and overburden will be spread as substitute soil on areas between the soil islands. Fertilizer and/or organic matter will be spread over the entire affected area. The island areas and all affected areas will be seeded. The ephemeral stream channel through the site will be restored to closely resemble the original configuration. Small portions of the pit excavations may remain as a water collection resource for wildlife and livestock. San Juan County Road #2351 leading through the site will remain intact, and include a culvert crossing over the ephemeral drainage channel.

**Surety**

**DOGM Reclamation Estimate:** \$50,600

**Amount Posted:** \$57,500 held by SITLA for lease rental, royalty, and reclamation

**Form:** Certificates of Deposit – two issued by First Security Bank – one issued by First Western National Bank

**Renewable Term:** 5 years (currently held by SITLA)